Approved For Release 2000 GARCIA-RDP78B04747A000700020008-5

mPIC/TDS/D-668-67 **6 February** 1967

MEMORANDUM IN	OR:	Director for Special Accivities, payden	
ATTENTION	ī	Chief, Contracts Branch, OSA-DD/S&T	
BURJECT		A No-cost Change-in-Scope to] 25X1
REPERENCE	ŧ	"Proposed Change in Scope for the GEMS Study Effort" January 6, 1967 by (Attached)	25X1

- 1. It is requested that a Change-in-Scope be effected to this contract task. This Change-in-Scope is a re-direction of effort and does not entail increased cost. It does include a modified work statement and an extended completion date to 30 September 1967.
- 2. Technical problems encountered in the work to date and the discovery of a potentially superior method of GEMS production strongly suggest that this project be modified in accordance with the attached proposal. The primary technical problem encountered is the inability to realistically similate the modulation transfer function of mission material at high resolution (135 mm) on printed GEMS. This is because the mission negatives, from which the GEMS are made, were processed at too high a gamma. The production of realistic printed GRME, therefore, may require some special photography to be flown in an aircraft so that the resulting material can be processed at unity gamma. Unity gamma processing is now thought to be necessary for printed GEMS negatives in order that they simulate the M.T.F. of mission material processed at the higher gamma. However, further theoretical work is required before this special photography can be specified. Initial investigation of pseudo-GEMB indicates that this optical, real-time GEMB technique may be superior to printed GRMS. Further work is now justified for more detailed investigation of Pseudo-CEMS.

Declass Review by NIMA/DOD

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SUBJECT:	A no-cost Change-in-Scope to
of one of printed of view of t were to b	This re-direction of effort would result in the cancellation the original tasks, namely, to produce a large matrix of MMS. This matrix is, of course, unjustified at present in the difficulties encountered as stated above. The funds which be expended on this matrix can now be programmed against the so that additional funds are unnecessary.
Attachmen	Colonel, USAF Assistant for Technical Development, MPIC at: Proposed Change in Scope for the GEMS Study Effort
Distribut Orig &	ion: 1 - Addressee 1 - O/A/TD 3 - TDS/DS

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